NEWS LETTER OF THE SOCIETY OF AMERICAN BACTERIOLOGISTS

From the Office of the Secretary-Treasurer
October, 1938
Volume IV, Number 5

1938 OFFICERS AND COUNCILORS

President: Paul F. Clark, Univ. of Wisconsin, Madison, Wis.
Vice-President: A. T. Henrici, Univ. of Minnesota, Minneapolis, Minn.
Past President: J. M. Sherman, Cornell Univ., Ithaca, New York
Secretary-Treasurer: I. L. Baldwin, Univ. of Wisconsin, Madison, Wis.
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Archibald R. Ward, Detroit - Michigan
J. Bronfenbrenner, St. Louis - Eastern Missouri
M. F. Gunderson, Omaha, Nebr. - Missouri Valley
Gustav I. Steffen, New York - New York City
George Packer Berry, Rochester - Central New York
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C. H. Werkman, Ames, Iowa - North Central
N. Paul Hudson, Columbus - Ohio
Carl J. Bucher, Philadelphia - Eastern Pennsylvania
Charles Thom, Washington - Washington, D. C.

THE PRESIDENT'S LETTER

Greetings to each member of the Society, especially to those who were unable to make the trip to California to enjoy the excellent scientific program, the delightful personal contacts, and the gaieties of the San Francisco meeting! We did have such a friendly, folksy time. The Pacific Coast members , as well as all others of the Society, can be greatly pleased at the success of our first trans-continental meeting. We shall be looking forward to a "return engagement", and it is my hope that we may in the not too distant future, have meetings in other regions which we have not visited as a society, as for example Canada and the deep South of this country.

The secretary has detailed the action of the Council with reference to the Biological Abstracts. May I tell you of the vigorous activity of your committee appointed to work with the editors of the Abstracts? In the few weeks since the San Francisco meeting, they have ironed out many difficulties, so that now a separate section on microbiology at a reasonable price looks hopeful for next year. I trust that a considerable number of the members of the Society will feel that this will present the opportunity they have looked for, to obtain an effective abstract journal.

The continued excellent financial condition of the Society reported by the secretary-treasurer will be, I am sure, a source of satisfaction to each member of the Society. You will recall that it was this favorable condition which made it possible for us to act as sponsors for the International Congress of Microbiology, which is our interesting prospect for next summer. The question arising in my mind is, what other features should the Society foster to make it more valuable to individual members and to further the functions for which the Society was founded. If you have any ideas, please let me have them.

Sincerely yours,
PAUL F. CLARK

DUES

Statements of 1939 dues in the Society will be issued shortly. Prompt payment will insure freedom from interruption in the receipt of your Journals, and will greatly relieve the congestion in the secretary's office at the end of the year. Your cooperation will be very much appreciated.

CHANGES OF ADDRESS

Please send notice of changes in address to the secretary-treasurer of the Society, and let him inform the publishers of the necessary correction. If changes are sent to the publishers, the secretary is not informed, and communications from his office are misdirected.

AMERICAN TYPE CULTURE COLLECTION

The new catalog of the American Type Culture Collection is now ready for distribution. Any member of the Society who wishes to have a copy may do so by sending a request to

Dr. Mario Mollari, Curator
American Type Culture Collection
Georgetown University Medical School
Washington, D. C.

ARCHIVES COMMITTEE NOTICE

Copies of programs of the following annual meetings are needed to complete the collection of the Archives Committee.

1906 - New York
1907 - Chicago
1908 - Baltimore
1909 - Boston

Anyone who can furnish the committee with one or all of these should communicate with Dr. Barnett Cohen, 710 N. Washington St., Baltimore, Md.

CENTENARY OF CELLULAR THEORY

To commemorate the centenary of the cellular theory founded by the German botanist Mathias Jacob Schleiden and by the zoologist Theodor Schwann, the Mexican Society of Natural History has resolved to publish a special volume which will contain papers relating to the problems of the cellular theory and kindred subjects.

All biologists interested in the cellular theory are invited to collaborate in the preparation of this volume.

The contributor of the most outstanding paper will be awarded the Schleiden-Schwann medal of the Mexican Society of Natural History. More awards may be established if necessary. Every cytological paper is welcome, but only those having a direct bearing on the theory will be judged. Scope and extent of the papers is not limited. The final date for acceptance of papers is January 31, 1939.

Manuscripts submitted by scientists living within Mexico, and those by scientists living outside Mexico will be judged as two distinct groups and will receive separate awards.

All contributions will be published in the commemorative volume, and the volume will be distributed to all organizations and persons with whom the Society has established an exchange of publications. Authors receiving awards will receive 100 reprints of their paper free of charge. A copy of the volume will be distributed to each person who participated in the competition.

Manuscripts should be sent registered to

Sociedad Mexicana de Historia Natural
Concurso del Centenario de la Teoria Celular
Apartado Postal 1079
Mexico, D. F., Mexico City.

Further information as to the rules governing this contest may be secured from the Mexican Society of Natural History at the above address.

THE ANNUAL MEETING AT SAN FRANCISCO

One of the most enjoyable meetings of the Society was held in San Francisco, August 30 to September 1, with headquarters at the Fairmont Hotel. Although in attendance the meeting was somewhat smaller than usual, the 414 who registered were enthusiastic in their praises of the scientific program, the entertainment provided by the local committee, and the pervading atmosphere of informal friendliness.

The scientific program was an exceptional one in several ways. In spite of the smaller total attendance, there were ten more papers on the program than at the Washington meeting--making a total of 131, the highest number ever accepted. Papers presented were of the highest caliber. The joint meeting of all sections to hear a symposium on "Enzymes in Relation to Bacteriology" was a successful innovation, and the policy developed this year of concentrating on particular subjects seemed to meet with approval. Round-table programs were well attended and provoked lively debate. An especially valuable feature of the scientific meetings was the opportunity provided for small-group discussions between persons intensely interested in certain subjects.

CENTENARY OF CELLULAR THEORY

To commemorate the anniversary of the cellular theory founded by the German botanist Matthias Jacob Schleiden and by the zoologist Theodor Schwann, the Berlinn Society of Natural History has resolved to publish a special volume which will contain papers relating to the problems of the cellular theory and related subjects.

All biologists interested in the cellular theory are invited to collaborate in the preparation of this volume.

The contributor of the best outstanding paper will be awarded the Schleiden-Schwann medal of the Berlinn Society of Natural History. More awards may be established if necessary. Every biological paper is welcome, but only those having a direct bearing on the theory will be judged. Scope and extent of the papers is not limited. The final date for acceptance of papers is January 1, 1938.

Manuscripts submitted by voluntaries living within Berlin, but those by voluntaries living outside Berlin will be judged on two distinct ethics and will receive separate awards.

All contributions will be published in the commemorative volume, and the volume will be distributed to all organizations and persons with whom the Society has established an exchange of publications. Authors receiving offprints will receive the reprints of their paper free of charge. A copy of the volume will be distributed to each person who participated in the competition.

Inquiries should be sent registered to

Scientific Matters of Berlinn Society
Conferen del Centro-Sud-Ia Tiergarten-Strasse
Berlinn Central 1079
Berlin, D.C., Berlin City.

Further information as to the terms governing this contest may be obtained from the Berlinn Society of Natural History at the above address.

The Annual Meeting
at Oak Bluffs

One of the most enjoyable meetings of the Society was held at Oak Bluffs, Mass., on September 4, with about 40 members of the Society present. Although in attendance the meeting was somewhat smaller than usual, the discussions were characteristic in their spirited of the scientific problems, the entertainment provided by the local committee, and the pervading atmosphere of informal friendliness.

The scientific program was an exceptional one in several ways. In spite of the smaller total attendance, there were more papers on the program than at the Washington meeting--having a total of 14, the highest number ever offered. Papers presented were of the highest caliber. The joint meeting of all sections to hear a discussion on "Adaptation in Relation to Mutation" was a successful innovation, and the variety represented this year in concentrating on particular subjects seemed to meet with approval. Many scientific programs were well attended and provoked lively debate. An unofficial "smoker" was held at the Scientific Meeting and the opportunity provided for small-group discussions between persons intensely interested in current subjects.

As hosts, the local committee made every effort to see that all those attending the convention obtained the utmost of pleasure and value from their stay in San Francisco. Sightseeing trips to points of scenic and general interest, and post-convention tours of scientific laboratories and institutions in the vicinity, were arranged for the pleasure of visitors.

Guests were given an opportunity to visit with each other at the informal reception which preceded the banquet. Excellent food and music setting the keynote, the banquet itself was most enjoyable. Dr. Karl F. Meyer as toastmaster, introduced Dr. Charles B. Lipman who cordially welcomed the group to California. The visitors' appreciation of the fine greeting they had been accorded was expressed by Dr. James M. Sherman.

"Alice in Virus Land" was the subject of the illustrated, humorous and philosophical address presented by Dr. Paul F. Clark, president of the Society. This speech, offered with all apologies to Carroll's immortal Alice, proved to have both popular and scientific appeal, and was heartily acclaimed.

A highlight of the evening was the presentation by Dr. Clark of the third Eli Lilly and Company Research Award in Bacteriology and Immunology, to Jerome T. Syverton, M. D., of the School of Medicine and Dentistry, University of Rochester. A brief sketch of Dr. Syverton's life and work is included below.

After an interlude of pleasing music, the banquet closed with a series of beautiful colored moving pictures depicting western scenes.

All in all, it was the general feeling that this first western meeting of the Society was a grand success. It is hoped that the experience may be repeated at some time not too far distant.

JEROME T. SYVERTON, M. D.
Winner of the third Eli Lilly and Company Research Award in Bacteriology and Immunology

Biographical Sketch

Dr. Jerome T. Syverton was born March 28, 1907, in Courtenay, North Dakota. He entered the University of North Dakota in 1923 and graduated in 1927 with an A. B. degree, majoring in chemistry. Having pursued a pre-medical course in his undergraduate work, Dr. Syverton later attended medical school at Harvard University, and was granted his M. D. degree from that institution in 1931.

During his post-graduate professional career, Dr. Syverton has held the following academic appointments; Resident House Officer, Duke University Hospital, Durham, N. C., 1931-32; Assistant in Pathology and Bacteriology, Rockefeller Institute for Medical Research, New York City, 1932-34; and Assistant Prof. of Bacteriology, University of Rochester School of Medicine and Dentistry, Rochester, N. Y., 1934 --.

Accomplishment
(Excerpt from citation read by Dr. Clark in presenting the award)

"While this third award is being made in recognition of all of Dr. Syverton's work with filterable viruses, the Committee gave particular consideration to two of his investigations, namely, those dealing with the hereditary transmission of the virus of equine encephalomyelitis in the tick, *Dermacentor andersoni*, and those

demonstrating that individual host cells can be simultaneously infected by several viruses.

"Dr. Syverton was the first to grow successfully in tissue cultures the viruses of vesicular stomatitis, of equine encephalomyelitis, and of human encephalitis of the St. Louis type. He has shown that the marked tissue affinities of the viruses of vesicular stomatitis and of equine encephalomyelitis can be altered experimentally. He has made quantitative observations on the effects of roentgen radiation on a variety of viruses. These studies have been part of an investigation of the role of viruses in the production of tumors. His finding that a single host cell can be infected simultaneously with several viruses, each producing its characteristic reaction, is an important new concept in the understanding of host-virus relationships.

"Dr. Syverton's investigations on the host susceptibility and the mode of transmission of equine encephalomyelitis have disclosed new possibilities for solving the epidemiological problems of that important infection of horses. He has found a new experimental host for the disease, the Richardson ground-squirrel or "gopher", an animal which comes in close association with horses on the range. He has shown that the virus is hereditary in the tick Dermacentor andersoni, thus indicating the possibility that this arthropod may serve in nature as a vector. It is significant, incidentally, that this is the first time that a filterable virus has been found to be hereditary in a tick, or that a tick of the genus Dermacentor has been associated with the transmission of a filterable virus disease.

"In all of his work, Dr. Syverton has exhibited imagination, originality, mental acuity, and technical versatility. Because of this fact, the Committee feels that this year's selection maintains the high standard set in previous years--a standard which will inevitably result in the advancement of knowledge in the fields of Bacteriology and Immunology and be a source of gratification to the donor."

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Appointments

(Made by President Clark for the duration of the meeting)

Tellers:	H. M. Powell, Chairman O. N. Allen Ann C. Stover
Auditors:	H. W. Cromwell, Chairman Jean Broadhurst I. M. Lewis
Resolutions:	M. H. Soule, Chairman A. B. Wadsworth M. S. Fleisher

Reports

Note: These reports are necessarily tentative in that they include only one-half of the year's activities.

demonstrating that individual host cells can be simultaneously infected by several viruses.

"Dr. Dyverton was the first to give recognition in these delicate tissue viruses of variation, adaptation, of engine encumbrancelities, and of human escape-ability of the Ox Sarcoma virus. He has shown that the normal tissue affinities of the viruses of malignant elasticity and of engine encumbrancelities can be altered experimentally. He has made quantitative observations of the effects of treating cultures in a variety of viruses. These studies have been part of an investigation of the role of viruses in the production of tumors. His finding that a single host cell can be infected simultaneously with several viruses, even producing its characteristic vacuoles, is an important new concept in the understanding of constitutive conditions.

"Dr. Dyverton's investigations on the host encumbrancelity and the mode of transmission of engine encumbrancelities have illuminated new possibilities for solving new epidemiological problems of that important infection of horses. In new fossil a new experimental host for the disease, the Hibernian ground-squirrel or "gopher", an animal which shows no clinical manifestation with horses on the range. It was found that the virus is hereditary in the tick Dermacentor andersoni, thus indicating the possibility that this arthropod may serve as nature as a vector. It is significant, incidentally, that this is the first time that a filtrable virus has been found to be hereditary in a tick, or that a tick of the genus Dermacentor has been associated with the transmission of a filtrable virus disease.

"In all of his work, Dr. Dyverton has exhibited imagination, originality, mature ability, and individual versatility. Because of this fact, the committee feels that this Prize's original criterion the high standard set in previous years--is being well maintained. It would seem that the advancement of knowledge in the field of bacteriology and immunology and be a source of satisfaction to the donor."

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Attendance

(Made by friendly clerk for the formation of the meeting)

Trustees:	H. de Tonnell, Chairman O. H. Allen Ann S. Glover
Activities:	H. W. Dronnell, Chairman Jean Arrowhead L. E. Lewis
Nominations:	M. H. Doole, Chairman M. H. Wednesday H. C. Fletcher

Reports

Brief: These reports are necessarily tentative in that they include only one-half of the year's activities.

Report of the Secretary-Treasurer -- I. L. Baldwin, secretary-treasurer

Membership: During the first six months of this year, 173 new active members were accepted, as compared with 151 new members accepted during the entire year of 1937. There is a total of 1283 members, including all classes of membership, as compared with 1159 at the end of 1937. The increase in membership this year is already greater than that which occurred in any of the last four years.

There are at present 17 local branches, 16 of which are large enough to have representation on the Council. These branches have been very effective in maintaining interest in the parent Society.

Finances: Since the present fiscal year carries the expenses of two annual meetings, the budget is considerably larger than it has been for several years. Of the budget of $4,310 approved for 1938, $2,356.49 has been expended to date, and it is probable that all of the money budgeted will be used. In addition to the regular budget, the secretary-treasurer is authorized to furnish upon call to the treasurer of the Third International Congress for Microbiology, the remaining $1,500 of the $2,500 originally authorized.

Both the Cumulative Index and the Leeuwenhoek Letter accounts are now in the black. The Cumulative Index account shows a net surplus to the Society of $65.64, with some 80-90 copies yet available for sale. The Leeuwenhoek Letter account shows a net surplus to the Society of $36.06, with some 75-80 copies yet available.

It is estimated that the ordinary operations of the Society will show a net surplus of around $1,000 for the year. All or part of the $1,500 to which the International Congress for Microbiology is entitled may be called for during the year, and any sums paid to the Congress will of course decrease the estimated surplus.

On August 1, 1938, the net worth of the Society was $30,942.43. An estimate of the liquidation value, however, would set a figure of about $33,678.99.

An itemized statement of receipts and expenditures follows.

Schedule of Cash
December 16, 1937, to August 1, 1938

Receipts

	Debit	Credit
Dues received - active members	3,869.98	
Dues received - sustaining members	1,300.00	
Receipts - Cumulative Index income	108.90	
Receipts - Employment Bureau	20.75	
Receipts - Interest on Treasury Bonds	343.13	
Receipts - Publications (Jour. of Bact.)	2,770.84	
Receipts - Leeuwenhoek Letter	189.00	
Receipts - Manuals and Charts	144.44	
Receipts - Miscellaneous (sale of membership lists)	6.00	
Eli Lilly Award for 1938	1,150.00	
Cumulative Index sales	28.00	
Credit memoranda	21.00	
Actual balance from 1937 account	3,327.62	

Disbursements

	Debit	Credit
Accounts Payable		
Eli Lilly Award, 1937		1,150.00
Eli Lilly Award, 1938		150.00
Williams and Wilkins Co.		
Cumulative Index, income		54.45
Cumulative Index, sales		19.88
Journal subscriptions		3,828.00
Archives Committee		25.00
Bacteriological Reviews		50.00
California Local Committee		129.00
Exchanges and Taxes		2.09
Journal Editor - Miscellaneous		101.88
Journal Editor - Secretarial Services		400.00
Secretary-Treasurer - Miscellaneous		543.66
Secretary-Treasurer - Printing		57.42
Secretary-Treasurer - Secretarial Services		700.00
Program Committee		476.44
Refund of duplicate dues		7.50
	13,279.66	7,695.32
Actual balance on July 31, 1938		5,584.34

Report of the Editor of the Journal of Bacteriology -- C.-E. A. Winslow, Editor

It is impossible to give a statistical report of the activities of the Journal at this time. However, everything seems to be progressing as usual, with approximately the same numbers of papers accepted and rejected. A full report will be submitted at the end of the year.

Report of the Editor of Bacteriological Reviews -- Barnett Cohen, Editor

The second issue of Bacteriological Reviews has been published, and copy for the December, 1938, issue is in hand or promised. The editor has definite promises from a number of different reviewers for contributions, but at present there is no reserve supply. It is the hope of the editors to build a back-log of papers sufficient for one number in order to permit adequate time for editing and revision of manuscripts, and more efficient physical arrangement of the material to be published.

To further the usefulness and accuracy of the Reviews, the editor has initiated a practice of an independent check of references cited in the manuscripts submitted.

The editor gratefully acknowledges the loyal assistance and valuable advice of the associate editors, Dr. Wm. C. Frazier and Dr. N. Paul Hudson. The cooperation of Professor Winslow and of the officers of the Society has been of great help.

Finances: Of the budgetary allotment of $100, $50 has been drawn. A fair part of the remainder will probably be used.

Report of the Committee on Bacteriological Technic -- H. J. Conn, Chairman

During the first six months of this year, the Committee has revised two leaflets of the Manual of Methods for Pure Culture Study of Bacteria: Leaflet VI dealing with biochemical methods, and Leaflet IX on the determination of pH and

titrable acidity; also the index to the Manual has been revised. A new leaflet X, dealing with the subject of inoculations with bacteria causing plant disease, has been added to the Manual, making it a distinctly larger publication than ever before. Plans are under way for revising Leaflet I (the introductory section of the Manual) and Leaflet II (Preparation of Media) in the near future.

The increasing popularity of this Manual has been demonstrated during the last few years by the increase in its sales. During 1937, receipts from the sale of the Manual ($705) were larger by about $120 than those of any preceding year, and were practically twice as great as the amount received for any year between 1923, when the Manual was first published, and 1936. During the first half of 1938 the receipts have been $364.75 as against $262.25 for the same period in 1937. The subscription list to the Pure Culture Study of Bacteria which serves as a continuation service for the Manual, has likewise been increasing.

A similar increase has not occurred in the sales of the Descriptive Chart. This may indicate that the 1934 revision is perhaps too complicated for use in instruction. Accordingly, a preliminary draft of a new and much simplified chart is being submitted to the Society for consideration. The proposed simplified chart is intended to supplement the 1934 edition, not to replace it. It is planned that the 1934 chart be used for research, and the simplified chart be used for instruction purposes. Anyone interested may receive a copy of the suggested simplified form by application to Dr. H. J. Conn, Agr. Expt. Sta., Geneva, N. Y., or to Dr. M. W. Jennison, Mass. Inst. of Tech., Cambridge, Mass. Comments and criticisms will be welcomed.

Report of the Employment Bureau -- F. M. Meader, Director

During the first six months of this year, a total of 67 applicants has registered with the Employment Agency. In the same period, notices of 11 vacancies have been filed with the agency. Three of the vacancies have been filled by outsiders, and eight are still pending. To the $13.65 cash on hand January 1, has been added $15, receipts from successful applicants, making a total of $28.65 on hand August 1, 1938.

Report of the Committee on Archives -- Barnett Cohen, Chairman

a) Collection of records: The Committee has acquired autograph letters relating to the founding of the Society, written by Wyatt Johnston and W. H. Welch. These were donated from the papers of Founder E. O. Jordan by his daughter.

The file of annual programs is now complete with the exception of those for the years 1906, 1907, 1908, and 1909. Photographs of all except three of the Society's presidents have been obtained.

b) History of the Society: A chapter dealing with Theobald Smith's work in the U. S. Bureau of Animal Industry has been received from Dr. W. E. Cotton. Progress has been reported by other collaborators.

c) Finances: To date, $10.54 of the budgetary allowance of $50 has been expended.

Report of the Director of Local Branches -- S. A. Koser, Director

One new local branch, the Eastern Missouri, has been organized and approved by the Council of the Society.

Approximately 600 members of the S. A. B. are now included in the membership of the various local branches and in addition, the branches have a total associate membership of 750-800 at the present time.

The director will welcome suggestions from the members and officers of the branches with respect to the problem of keeping in touch with the activities of the various groups.

Report of the Program Committee -- George Packer Berry, Chairman

On behalf of the Program Committee, Dr. Berry expresses his thanks to the local group for their work in producing such a fine meeting.

This year's program of 131 papers is the largest ever offered. It differs from programs of previous years in that a joint meeting of all sections has been scheduled for a symposium on a subject of general interest. Another innovation developed this year is that of focusing attention on particular subjects. Should these changes meet with the approval of the members, it is proposed to continue them.

The Committee will very much appreciate any comments and criticisms which are brought to their attention.

Report of the American Type Culture Collection -- L. A. Rogers, Chairman of Executive Committee

The American Type Culture Collection is now established in the Medical School of the Georgetown University, in Washington, D. C., with Dr. Mario Mollari as curator and Dr. Oswald Bushnell assistant curator.

At present 2115 cultures are maintained, including the 1475 transferred from Chicago and 640 new ones. These include 1300 bacteria, 478 higher fungi, 317 yeasts, and 20 protozoa. In addition, about 400 cultures are available from private collections.

The new catalog which will be ready for distribution about September 15, will list over 2500 cultures. This catalog will not be distributed to the entire membership of the Society, but any member can obtain a copy by requesting it from the Curator of the Collection.

An apparatus for drying cultures has been installed, and as rapidly as possible the cultures for which there is little call are dried and held in reserve. Cultures of new species will be preserved in this way, and it is hoped will be available indefinitely with their original characters intact.

In the first half of 1938, orders have been filled for 1509 cultures, a small increase over the corresponding period of 1937. Receipts from the sale of cultures, with a small income from invested surplus, is sufficient to support the collection on its present basis.

Report of the Executive Committee, Third International Congress for Microbiology — T. M. Rivers, Chairman

Organization of National Groups is progressing, and it is hoped that 30-40 countries will have formed such groups in affiliation with the International Association of Microbiologists by the time the Congress meets.

Approximately 200 members of the S. M. M. are now learning in the membership of the various local societies and in addition; the Minnesota Unit's total membership numbering of 750-800 at the present time.

The director will welcome suggestions from the members and officers of the branches with regards to the problem of keeping in touch with the activities of the various groups.

Report of the Program Committee -- Morris Tuchin Barry, Chairman

On behalf of the Program Committee, Mr. Barry expressed his thanks to the local group for their work in producing such a fine meeting.

This year's program of 101 papers is the largest ever offered. It differs from previous on programs in that a total meeting of all societies has been scheduled for a symposium on a budget of physical industry. Another interesting novelty this year is a kind of "Fighting symposium" in nuclear energy. Should these changes meet with the approval of the members, it is proposed to continue them.

The Committee will very soon appoint the Program for Minneapolis with the cooperation of Twin Cities members.

Report of the American Type Culture Collection -- E. M. Hewitt, Chairman of Executive Committee

The American Type Culture Collection is now celebrating in the medical section of the Cleveland University, in Cleveland, Ohio, with Dr. Merle Minner as director and Dr. Donald Blanchell assistant director.

It produces VIA bulk from one hundred and fifty, including the new Trypsinized from Chicken and Bird new ones. These include from Bacteria, one single fungi, six yeasts, and no protozoa. In addition, about [illegible] strains are available from pathological.

The new catalog which will be ready for distribution about September 1st, will list each also catalogue. This catalog will be distributed to the Society of the Society; but any member can obtain a copy by requesting it from the Director of the Collection.

As requests for living cultures, not been satisfied, and to replace as possible the catalogue for which there is little call, are dried and held in reserve. Cultures of such species will be preserved in this way. Use of it is hoped will be available immediately with small official complaints.

In the first half of 1956, orders have been filled for 1500 cultures, a small increase over the corresponding period of 1955. Requests from the sale of cultures, with a small income from interest [illegible] sufficient to support the collection on its present basis.

Report of the Membership Committee; Julius Sandmann, Chairman and Secretary-T. M. Rivers, Chairman

Organization of National Groups in Microbiology, and it is hoped that 30-40 countries will have joined under grants in affiliation with the International Association of Microbiologists by the time the Congress meets.

A number of scientific organizations have appointed members to an Advisory Council. From such societies a sum of $1,375 has been collected toward the expenses of the Congress.

A bill has been put through the U. S. Congress authorizing President Roosevelt to invite foreign countries to send official delegates to the meetings.

Although the matter was brought up too late for any action during the last session of Congress, the matter of an appropriation of $10,000 will be taken up at the next session which will open early in January of 1939.

Thirteen hundred invitations to present papers before the Congress have been sent to foreigners, and a goodly number of acceptances have been received. More invitations to foreigners will go out in the fall, and at that time invitations to American workers will be sent also.

Finances: The Congress has received a total of $3,585, including the $1,375 from scientific societies, $2,200 from commercial concerns, and $10 from advance registrations. A total of $990.25 has been disbursed, $343.72 for printing, and $646.53 for administration expenses. There is a balance on hand of $2,594.75.

Report of the Committee on Biological Abstracts -- A. Parker Hitchens, Chairman

The time has now come to discuss permanent support for Biological Abstracts, and it appears that the S. A. B. may be able to procure whatever its members may wish in the way of an abstracting journal.

Until now it has been necessary for a subscriber to Biological Abstracts to purchase the complete annual volume covering all phases of biology. If bacteriologists and immunologists are interested, there is a possibility that in the reorganization, the board of trustees may change this policy and split the Abstracts into sections. Our section would cover bacteriology, immunology, parasitology, mycology, etc., and the price per volume of the section would not be more than $5 per year. A subscriber to a section would receive the annual index to the entire publication.

Under such circumstances, the Society might assume as much editorial control as it wishes, the editor of Biological Abstracts and his staff taking up the matter where the Society leaves it. Abstracts would be published promptly, and reviews of literature would be printed within two months of the original publication.

It is suggested that a committee be appointed to formulate a definite plan by which the Society may cooperate with the editorial board of Biological Abstracts to mutual advantage.

Report of the Tellers -- H. M. Powell, Chairman

The following officers were elected to serve for the year 1939.

President:	A. T. Henrici, Univ. of Minnesota, Minneapolis, Minn.
Vice-President:	Charles Thom, U. S. D. A., Washington, D. C.
Secretary-Treasurer:	I. L. Baldwin, Univ. of Wisconsin, Madison, Wis.
Councilors-at-large:	Elizabeth F. Genung, Smith College, Northampton, Mass.
	S. A. Koser, Univ. of Chicago, Chicago, Ill.

New corresponding members elected were

Sir Patrick Playfair Laidlaw, National Institute of Medical Research, Hampstead, London, England
Sir John C. G. Ledingham, Lister Institute, London, England.

Report of the Auditors -- H. W. Cromwell, Chairman

The Auditing Committee appointed by the president has examined the accounts of the secretary-treasurer and has found them correct.

Inasmuch as the books of the Society have never been audited by a C. P. A., and inasmuch as the lack of time at annual meetings and the inexperience of the auditors, do not permit a thorough audit of the accounts, this committee recommends to the Council that at intervals a professional examination of the accounts be made. Such a practice would be a satisfaction not only to the members of the Society but also to the secretary-treasurer upon whom rests the responsibility of handling the Society finances.

Report of the Resolutions Committee -- M. H. Soule, Chairman

The Society of American Bacteriologists records with deep regret the reported deaths of the following members:

Charles A. Bentz
Fred M. Hayes
Ross L. Laybourn
Renwick Hutson Leitch
Earl Baldwin McKinley

The Society is desirous of expressing in particular its sense of the tragic loss it has suffered in the disappearance of Dr. McKinley. Earl B. McKinley, Dean of the Medical School, Professor of Bacteriology, and Director of Medical Research, George Washington University, was one of the six passengers aboard the 26-ton Hawaiian Clipper which was last heard from on July 28, 1938. A thorough systematic search in which all branches of the military forces of the United States stationed in the Philippines took part, assisted by the Commonwealth of the Philippines and Japan, failed to find a single vestige of the transpacific flying boat. It is conceded that the superliner plunged into the Pacific Ocean, but the nature of the accident responsible for this disaster will unquestionably remain a mystery.

Earl Baldwin McKinley was born at Emporia, Kansas, on September 28, 1894. He prepared for medicine at the University of Michigan, receiving the degree of M. D. in 1922. Here he came in direct contact with Drs. Novy and Vaughan whose activities in research molded and influenced McKinley's whole future.

On the completion of the program of study in medicine, he was appointed assistant professor of bacteriology and pathology at Baylor University. The year 1924-25 he spent with Bordet at the Pasteur Institute in Brussels as a National Research Council fellow in the Medical sciences. Following his return from abroad he became associated with the Department of Bacteriology in the College of Physicians and Surgeons of Columbia University, first as an assistant, then as associate professor. In rapid succession he moved from New York to the Philippines, where as a field director of the International Health Division of the Rockefeller Foundation he reorganized the public health laboratory service in the Bureau of Science. With this task consummated, he proceeded half way around the world to San Juan to assume the directorship of the School of Tropical Medicine of the

University of Porto Rico. For three years he devoted himself unsparingly to the development of the School and Hospital, and in September, 1931, he took up his residence in Washington as Dean of the Medical School of George Washington University. The administrative demands of the aforementioned positions did not quench his desire for original investigation, and throughout this period he maintained an active interest in research. He published more than fifty articles all dealing with some phase of bacteriology, particularly the ultraviruses and leprosy, and in addition two monographs: "Filterable Viruses and Rickettsia Diseases", and "A Geography of Disease". He was gathering specimens of the microbic flora of the air at various points over the Pacific Ocean when the transport disappeared.

The mere enumeration of the scientific societies with which he was affiliated would give no measure of his service to these organizations. He was a born leader and his ability as an administrator was responsible for his appointment to innumerable committees and election to executive boards. He was a member of the Society of American Bacteriologists for nearly fifteen years, and those who attended the annual meeting last year will remember his boundless energy and magnetic personality. His untimely death at the age of 44 is a tragedy to his friends, and removed prematurely a valuable member of our Society.

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This first gathering of the Society of American Bacteriologists on the Pacific Coast has been unique in that a new policy has been most conspicuously inaugurated. The forethought in all the arrangements, the cordial friendly welcome we have received everywhere, and the character of the scientific reports - all vouch for equally successful meetings here in the future.

Be it therefore resolved that a vote of thanks and appreciation for all the courtesies received by the members of the society and their guests be extended to the local committee and those associated with them.

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The Society of American Bacteriologists again desires to place on record its recognition of the generosity of Eli Lilly and Company in providing an annual award for the material recognition of achievement in research by a young worker.

Report on Actions of the Council -- I. L. Baldwin, secretary

Dr. Baldwin informally discussed the actions which the Council had taken at its meeting on September 30.

1) 1940 Meeting: Although a number of invitations were considered, it was decided that the Society would meet in St. Louis in December of 1940.

2) Contract with Williams and Wilkins Company: The contract under which the Society and publishers operate has been modified from time to time by verbal and written agreement. However, there is at present no contract which records in one statement all of these agreements. The president and secretary of the Society in conjunction with the publishers, have drawn up a memorandum outlining publication policies now in effect. It is merely a summary and involves no change in the practices followed at the present time. At its meeting the Council authorized the secretary and president to sign this agreement.

3) Archives Committee: The Archives Committee was reappointed for another five-year term.

4) Delegate to International Congress for Microbiology: The Council appointed its president-elect, Dr. A. T. Henrici of the Univ. of Minnesota, as the S. A. B.'s official delegate to the Congress. Dr. Henrici's expenses will be defrayed by the Society.

5) Publications:

a. Levine and Schoenlein monograph: A query which came to the authors of the Levine and Schoenlein monograph as to whether that monograph would be revised or republished, was brought to the attention of the Council. The Council referred the matter to a committee composed of the editorial board of the Journal and Dr. Buchanan, for their consideration and report.

b. Memorable Days in Medicine: The question was raised as to the desirability of publishing in book form "Memorable Days in Medicine" written by Dr. and Mrs. P. F. Clark. The matter was referred to the editorial board of the Society with instructions to consider possibilities in regard to publication and financial arrangements, and to report to the Council.

c. Presidential Address: The officers of the Society were appointed as a committee to investigate feasibility of publishing the Presidential Address for separate sale. This committee was given power to act upon its findings.

6) Biological Abstracts: A committee composed of Dr. A. P. Hitchens, Chairman, Dr. Barnett Cohen, Dr. L. A. Rogers, and Dr. G. H. Smith, was appointed by the Council to consider the relationship which the S. A. B. might bear to Biological Abstracts following the general scheme which Dr. Hitchens reported to the Society. The committee will draw up and present to the Council of the Society a definite plan and a definite statement from both an editorial and a financial viewpoint. It is fair to say that the Council were all interested in an abstract journal, and hopeful that something could be worked out to provide such an instrument. An appropriation of $100 was made toward the functioning of Biological Abstracts in 1939.

7) Participation of non-members of the Council in Council proceedings: To further coordination between the various activities of the Society, the Council resolved to invite the attendance of the Chairman of the Program Committee and the Editors of Society publications at Council meetings, and to issue to them copies of Council correspondence. These officials will therefore be conversant with Council actions even though they may not at the time be members of the Council.

8) Budget: The following budget, covering ordinary expenses of the Society for 1939, was approved.

Archives Committee	50.00
Bacteriological Reviews	100.00
Exchanges and Taxes	10.00
Journal Editor - Miscellaneous	200.00
- Secretarial Services	400.00
Secretary-Treasurer - Miscellaneous	500.00
- Secretarial Services	1,200.00
Printing	200.00
Program Committee	50.00
Biological Abstracts Appropriation	100.00
Expenses of Delegate to International Congress for Microbiology	200.00
Publication of Presidential Address	100.00
TOTAL	3,110.00

CONCERNING OUR MEMBERS

At the 50th anniversary of the founding of Storrs Agr. Expt. Station at Connecticut State College, Dr. R. E. Buchanan talked on "The Place of an Agricultural Experiment Station in the Economy of a Commonwealth".

The Hanseatic Univ. of Hamburg has recently elected to honorary membership Sir Aldo Castellani of Louisiana State University.

Formerly ass't professor at the Yale Univ. School of Medicine, Dr. William M. Hale has accepted the position of professor and head of the dept. of bacteriology of the State Univ. of Iowa College of Medicine.

At a recent meeting of the British Medical Assoc., the Stewart prize was awarded to Sir Patrick Playfair Laidlaw.

The American Society of Clinical Pathologists has chosen Dr. T. B. Magath of Rochester, Minn., as its president for the coming year.

Dr. T. M. Rivers of the Rockefeller Hospital, New York, is a member of the general advisory committee to advise the National Foundation for Infantile Paralysis upon the allotment of its funds. Dr. Rivers is chairman of the subcommittee on scientific research, of which Dr. Karl F. Meyer of the Hooper Foundation, San Francisco, is a member.

Dr. H. J. Shaughnessy has resumed his position as chief of the laboratory service of the Illinois State Board of Health, after a year's leave of absence spent at the Univ. of Colorado School of Medicine, Denver.

The delegate of the A. A. A. S. to the Malaria Congress to be held in Amsterdam from September 23 to October 1, is Dr. Malcolm H. Soule, secretary of the Section on Medical Sciences, A. A. A. S.

Prof. Vittorio Zavagli, director of the Experimental Station for Animal Prophylactics, Rome, is secretary of the Fourth International Congress of Comparative Pathology which will meet in Rome from May 15-20, 1939.

Dr. C. E. ZoBell of the Scripps Inst. of Oceanography, is spending a year as visiting professor in the field of limnological biology at the Univ. of Wisconsin, where he holds a research post-doctorate fellowship.

CHANGES OF ADDRESS

Members who have moved into different localities may now be reached at the addresses given below.

Allen, Esther C.--c/o Camarillo State Hospital, Camarillo, Cal.
formerly of Springville, Cal.
Bayliss, Milward--Dept. of Bact., Sch. of Hygiene, Johns Hopkins U., Baltimore, Md.
formerly of Omaha, Nebr.
Bunting, Mary I.--Div. of Bact., Yale Univ., New Haven, Conn.
formerly of Baltimore, Md.
Carpenter, Henry D.--208A South College Ave., Bryan, Texas
formerly of Fort Worth, Texas

Council, Francis E.--Windom, Fannin Co., Texas
formerly of Baltimore, Md.
Dickinson, E. M.--Dept. Veterinary Med., Oregon State Agr. College, Corvallis, Ore.
formerly of Los Angeles, Cal.
Engelbrecht, Mildred A.--Sch. of Chemistry, Univ. of Alabama, University, Ala.
formerly of Madison, Wis.
Gordon, Francis B.--c/o Nat'l Inst. for Med. Research, Hampstead, London, Eng.
formerly of Chicago, Ill.
Gronau, Axel--327 N. Taylor St., St. Louis, Mo.
Alton, Ill., formerly
Hegarty, C. P.--Dept. of Bact., Oregon State College, Corvallis, Ore.
formerly of Ithaca, N. Y.
Hotopp, Marion--27 Ridgeview Ave., West Orange, N. J.
formerly of Philadelphia, Pa.
Hughes, Thomas P.--Yellow Fever Inst. of Uganda, P. O. Box 49, Entebbee, Uganda, British East Africa
formerly of New York City
Lawrence, Carl A.--335 New Scotland Ave., Albany, N. Y.
formerly of Baltimore, Md.
Learmonth, Robert--3796 South Galapago St., Englewood, Cal.
formerly of Denver, Colo.
Morgan, Isabel M.--339 East 58th St., New York City
formerly of Philadelphia, Pennsylvania
Nicholls, Edith E.--649 Bloom St., Danville, Pa.
formerly of New York City
Rosa, Delaphine G.--Dept. Botany, Wellesley College, Wellesley, Mass.
formerly of Madison, Wis.
Sjolander, Newell O.--Dept. of Bact., Univ. of Tenn., Knoxville, Tenn.
formerly of Madison, Wis.
Stainsby, Wendell J.--649 Bloom St., Danville, Pa.
formerly of New York City

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SOCIETY PUBLICATIONS AVAILABLE FOR SALE

Cumulative Index: A cumulative index to Vols. I-XXX of the "Journal of Bacteriology". This is an indispensable tool for bacteriological study and research. $2.50 to Society members; $3.00 to others, postpaid.

Leeuwenhoek Letter, translated by Barnett Cohen: Antony van Leeuwenhoek's famous letter of Oct. 9, 1676, to the Royal Society of London, containing the first recorded objective report on bacteria. The volume is made up of a collotype reproduction of the original letter, a translation, explanatory notes, and copies of photographs taken with a Leeuwenhoek lens. Designed as an example of fine printing, and attractively bound, it is of interest and value to the lover of beautiful books as well as to the student of bacteriology. $3.00, postpaid.

Mail remittance (payable to the Society of American Bacteriologists), with order blank, to I. L. Baldwin, Agricultural Hall, Univ. of Wisconsin, Madison, Wisconsin.

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Enclosed is my remittance of $_____ to cover payment for

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